

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("4925157").PN.	USPAT; USOCR	OR	OFF	2008/12/02 18:03
L2	1	("5999073").PN.	USPAT; USOCR	OR	OFF	2008/12/02 18:04
L3	3905	(128/897-898).CCLS.	USPAT; USOCR	OR	OFF	2008/12/02 18:18
L4	250	(607/3).CCLS.	USPAT; USOCR	OR	OFF	2008/12/02 18:18
L5	989	(600/9-15).CCLS.	USPAT; USOCR	OR	OFF	2008/12/02 18:18
L6	0	(L3 or L4 or L5) and funnel\$1shaped iron core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 18:18
L7	29	(L3 or L4 or L5) and iron core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 18:19
L8	0	L7 and toy top near iron	US-PGPUB; USPAT	ADJ	ON	2008/12/02 18:24
L9	0	L7 and funnel	US-PGPUB; USPAT	ADJ	ON	2008/12/02 18:24
L10	1	("6791221").PN.	USPAT; USOCR	OR	OFF	2008/12/02 18:25
L11	1	("4887059").PN.	USPAT; USOCR	OR	OFF	2008/12/02 18:27
L12	13305	iron core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:16
L13	9962	L12 and magnetic	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:18
L14	1615	L13 and solenoid	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:18
L15	85	L14 and (funnel or tapered or pointed) SAME core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:19
L16	10823	solenoid SAME core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:20
L17	580	L16 and (funnel or tapered or pointed) SAME core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:20
L18	419	L17 and magnetic	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:21
L19	5	L7 and (funnel or tapered or pointed) SAME core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:22
L21	55	(L3 or L4 or L5) and (voltage regulator)	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:31
L22	0	L21 and magneti	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:31
L23	48	L21 and magnetic	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:31

## EAST Search History

L24	28	L21 and core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:32
L25	0	L24 and (tapered or pointed) SAME core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:32
L26	0	L24 and (tapered or pointed) near core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:32
L27	0	L24 and tapered same core	US-PGPUB; USPAT	ADJ	ON	2008/12/02 19:32
L28	48	L21 and magnetic	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:07
L29	1	L28 and AC voltage	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:08
L30	20	L28 and AC	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:09
L31	0	(L3 or L4 or L5) and variable regulator	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:30
L32	261	(L3 or L4 or L5) and regulator	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:31
L33	127	L32 and (variable)	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:31
L34	58	L33 and magnetic	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:32
L35	8	L34 and transformer	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:32
L36	21	(L3 or L4 or L5) and variable SAME regulator	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:35
L37	0	(L3 or L4 or L5) and variable NEAR regulator	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:36
L38	11	(L3 or L4 or L5) and variable WITH regulator	US-PGPUB; USPAT	ADJ	ON	2008/12/02 20:36
S1	8	US-5066272-\$.DID. OR US-5725471-\$.DID. OR US-20020072769-\$.DID. OR US-20020026406-\$.DID.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/11/13 18:02
S2	24	("3698398"   "3841306"   "4121594"   "4672951"   "4940453"   "4974114").PN. OR ("5066272").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 15:41
S3	16	("3841306").URPN.	USPAT	ADJ	ON	2008/11/21 15:43
S4	17	("3890953"   "4095588"   "4315503").PN. OR ("4672951").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 15:44

# EAST Search History

S5	51	("2808826"   "3706308"   "3841305"   "3841306"   "3901215"   "3915151"   "4244376"   "4304242"   "4387723"   "4408616"   "4417591"   "4454883"   "4493327"   "4493539"   "4498080"   "4570640"   "4595018"   "4672951").PN. OR ("4940453").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 15:44
S6	18	("0849653"   "1164356"   "2517325"   "3841305"   "3841306"   "4056097"   "4233965").PN. OR ("4723536").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 15:46
S7	27	("4616629"   "4672951"   "4994015"   "5047005"   "5061234"   "5116304"   "5267938"   "5476438"   "5496258"   "5725471"   "5738625"   "5766124"   "5769778").PN. OR ("6066084").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 15:50
S8	23	("2808826").URPN.	USPAT	ADJ	ON	2008/11/21 15:51
S9	22	("1835870"   "2534043"   "3337776").PN. OR ("3841305").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 15:52
S10	97	("0096044"   "0703989"   "0770433"   "0781448"   "2102790"   "3570476"   "3890953"   "3915151"   "4066065"   "4134395"   "4233965"   "4303636"   "4402309"   "4622952"   "4626792"   "4641633"   "4674482"   "4765310"   "4818697"   "4838850"   "4889526"   "4932951"   "4940453"   "4993413"   "4994015"   "5000178"   "5010897"   "5014699"   "5030196"   "5045050"   "5047005"   "5059298"   "5061234"   "5066272"   "5067940"   "5077934"   "5078674"   "5084003"   "5085626"   "5085627"   "5087336"   "5088976"   "5090423"   "5100373"   "5106361"   "5116304"   "5123898"   "5131904"   "5143588"   "5156587"   "5160591"   "5183456"   "5195940"   "5211622"   "5215633"   "5215642"   "5224922"   "5267939"   "5269745"   "5269746"   "5290409"   "5312321"   "5312534"   "5314400"   "5318561"   "5330410"   "5344384"   "5357958"   "5366435"   "5368544"   "5387176"   "5415617"   "5437600"   "5441495"   "5453073"   "5458558"   "5476438"   "5518495"   "5518496"   "5525949"   "5541563"   "5658234"   "5665049"   "5669868"   "5842966"   "5880661"   "6007476"   "Re32947").PN. OR ("6149577").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 16:15
S11	8	("4850959"   "4940453"   "5061234"   "5167229"   "5224922"   "5743844"   "5782874"   "5991649").PN. OR ("6450940").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 16:17

## EAST Search History

S12	4	("4940453"   "5350414"   "5984854").PN. OR ("6527695").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 16:18
S13	25	("4428366"   "4875485"   "5061234"   "5344384"   "5453073").PN. OR ("5984854").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/21 16:19
S14	3	("849653").URPN.	USPAT	ADJ	ON	2008/11/21 16:25

# EAST Search History

S15	199	(US-20060187607-\$ or US-20020022867-\$ or US-20030130699-\$ or US-20060247747-\$ or US-20060247748-\$ or US-20070027353-\$ or US-20070100232-\$).did. or (US-5257623-\$ or US-5251637-\$ or US-5674264-\$ or US-6192272-\$ or US-6947793-\$ or US-7295872-\$ or US-4945515-\$ or US-4857732-\$ or US-4962480-\$ or US-5015854-\$ or US-5295494-\$ or US-5351687-\$ or US-5561371-\$ or US-5892359-\$ or US-5961540-\$ or US-6448774-\$ or US-4969064-\$ or US-4425541-\$ or US-4460954-\$ or US-4540935-\$ or US-4772848-\$ or US-4782242-\$ or US-4916380-\$ or US-4931807-\$ or US-4956114-\$ or US-4992734-\$).did. or (US-5206620-\$ or US-5216585-\$ or US-5476728-\$ or US-5521507-\$ or US-5684402-\$ or US-5812019-\$ or US-5886568-\$ or US-5946201-\$ or US-5973651-\$ or US-5986406-\$ or US-6046423-\$ or US-6242911-\$ or US-3877453-\$ or US-4160435-\$ or US-4088942-\$ or US-4118981-\$ or US-4253052-\$ or US-4262268-\$ or US-4267546-\$ or US-4285023-\$ or US-4308513-\$ or US-4315124-\$ or US-4316169-\$ or US-4328573-\$ or US-4333126-\$ or US-4353014-\$ or US-4377775-\$).did. or (US-4387330-\$ or US-4390819-\$ or US-4415841-\$ or US-4424469-\$ or US-4426599-\$ or US-4433301-\$ or US-4450422-\$ or US-4451803-\$ or US-4458181-\$ or US-4471271-\$ or US-4484108-\$ or US-4486805-\$ or US-4489254-\$ or US-4488438-\$ or US-4494167-\$ or US-4504714-\$ or US-4513188-\$ or US-4555945-\$ or US-4560908-\$ or US-4562514-\$ or US-4567454-\$ or US-4573101-\$ or US-4594566-\$ or US-4614998-\$ or US-4620521-\$ or US-4785389-\$ or US-4791367-\$).did. or (US-4791543-\$ or US-4792760-\$ or US-4796173-\$ or US-4801912-\$ or US-4820985-\$ or US-4831468-\$ or US-4837794-\$ or US-4838978-\$ or US-4839596-\$ or US-4859931-\$ or US-4882541-\$ or US-4884207-\$ or US-4890062-\$ or US-4901047-\$ or US-4905675-\$ or US-4908524-\$ or US-4920315-\$ or US-4924184-\$ or US-4929899-\$ or US-4931761-\$ or US-4934048-\$ or US-4942353-\$ or US-4943763-\$ or US-4948926-\$ or US-4972725-\$ or US-4975649-\$ or US-4988945-\$).did. or (US-5006895-\$ or US-5010442-\$ or US-5018051-\$ or US-5194825-\$ or	US-PGPUB; USPAT	ADJ	ON	2008/11/24 10:45
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## EAST Search History

S17	3899	(128/897-898).CCLS.	USPAT; USOCR	OR	OFF	2008/11/24 13:29
S18	249	(607/3).CCLS.	USPAT; USOCR	OR	OFF	2008/11/24 13:29
S19	8	("5036859"   "5137033"   "5725471"   "5868723"   "5984854").PN. OR ("6223750").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/24 17:20
S20	9	("5116304"   "5615998"   "5725471"   "5984854"   "5991665"   "6007476"   "6083149"   "6086525"   "6179770").PN. OR ("6527694").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/24 17:21
S21	989	(600/9-15).CCLS.	USPAT; USOCR	OR	OFF	2008/11/24 18:11
S22	3899	(128/897-898).CCLS.	USPAT; USOCR	OR	OFF	2008/11/25 19:24
S23	249	(607/3).CCLS.	USPAT; USOCR	OR	OFF	2008/11/25 19:24
S24	989	(600/9-15).CCLS.	USPAT; USOCR	OR	OFF	2008/11/25 19:24
S25	1	(S24 or S22 or S23) and filtering section	US-PGPUB; USPAT	ADJ	ON	2008/11/25 19:24
S26	0	(S24 or S22 or S23) and stratiform iron core	US-PGPUB; USPAT	ADJ	ON	2008/11/25 19:54
S27	0	(S24 or S22 or S23) and stratiform iron	US-PGPUB; USPAT	ADJ	ON	2008/11/25 19:55
S28	3899	(128/897-898).CCLS.	USPAT; USOCR	OR	OFF	2008/11/26 08:31
S29	249	(607/3).CCLS.	USPAT; USOCR	OR	OFF	2008/11/26 08:31
S30	989	(600/9-15).CCLS.	USPAT; USOCR	OR	OFF	2008/11/26 08:31
S31	296	(S30 or S28 or S29) and converter	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:31
S32	0	(S30 or S28 or S29) and magnetic flux emitting unit	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:41
S33	0	(S30 or S28 or S29) and magnetic flux focusing unit	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:41
S34	29	(S30 or S28 or S29) and iron core	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:41
S35	0	(S30 or S28 or S29) and iron core and variable regulator	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:12
S36	0	(S30 or S28 or S29) and variable regulator	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:12
S37	260	(S30 or S28 or S29) and regulator	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:12

## EAST Search History

S38	0	S34 and layered near iron	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:25
S39	0	(S30 or S28 or S29) and smooth DC voltage full-wave	US-PGPUB; USPAT	ADJ	ON	2008/11/26 10:10
S40	0	(S30 or S28 or S29) and smoothen voltage wave	US-PGPUB; USPAT	ADJ	ON	2008/11/26 10:10
S41	1	("3826927").PN.	USPAT; USOCR	OR	OFF	2008/11/26 10:13
S42	20	S34 and coil	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:20
S43	3	(S30 or S28 or S29) and iron core near coil	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:20
S44	5	S34 and solenoid	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:40
S45	1	("4940453").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:50
S46	1	("6149577").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:51
S47	1	("6522920").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:51
S48	1	("5725471").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:52
S49	1	("5984854").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:52
S50	1	("3841305").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:53
S51	1	("3915151").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:53
S52	1	("6527695").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:54
S53	1	("6450940").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:54
S54	1	("6527694").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:54
S55	1	("4875485").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:55
S56	1	("5880661").PN.	USPAT; USOCR	OR	OFF	2008/12/01 15:55
S57	13	(US-3826927-\$ or US-4940453-\$ or US-6149577-\$ or US-6522920-\$ or US-5725471-\$ or US-5984854-\$ or US-3841305-\$ or US-3915151-\$ or US-6527695-\$ or US-6450940-\$ or US-6527694-\$ or US-4875485-\$ or US-5880661-\$).did.	USPAT	ADJ	ON	2008/12/02 10:50
S58	1	S57 and voltage regulator	US-PGPUB; USPAT	ADJ	ON	2008/12/02 10:50

## EAST Search History

S59	1	"10551418"	US-PGPUB; USPAT	ADJ	ON	2008/12/02 14:42
S60	3905	(128/897-898).CCLS.	USPAT; USOCR	OR	OFF	2008/12/02 14:51
S61	250	(607/3).CCLS.	USPAT; USOCR	OR	OFF	2008/12/02 14:51
S62	989	(600/9-15).CCLS.	USPAT; USOCR	OR	OFF	2008/12/02 14:51
S63	54	(S60 or S61 or S62) and (ramp modulation or phase modulation or duration modulation or timing modulation or amplitude modulation or frequency modulation)	US-PGPUB; USPAT	ADJ	ON	2008/12/02 14:51
S64	55	(S60 or S61 or S62) and (voltage regulator)	US-PGPUB; USPAT	ADJ	ON	2008/12/02 14:51